

LIST OF REFERENCES CITED BY APPLICANT (Use several sheets if necessary)	Atty. Docket No. 4798.. P	Serial No. 08/349,361
	Applicant K.R. Romines, et al.	
	Filing Date 2 December 1994	Group 1612

U.S. PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
ajr	AA	3,651,091	3/21/72	Boschetti, et al.	549 260	285 343.2	11/21/69
ajr	AB	4,262,013	4/14/81	Mistui, et al.	514 424	460 279	8/3/79
ajr	AC	4,900,754	3/27/89	Regan, et al.	514	459	3/27/89
ajr	AD	5,294,724	3/15/94	Jendralla, et al.	549	292	9/6/90

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No
ajr	AE	A. 1092278	4/20/55	FR	1	14		
ajr	AF	94/11361 (PCT/US93/10645)	5/26/94	WO	C07d	309/38		
ajr	AG	94/18188 (PCT/US94/00938)	8/18/94	WO	C07D	311/46		
ajr	AH	219,371	10/24/57	AU	09.6	87.1		
ajr	AI	1,171,424	6/17/81	CA	C07D	309/30		
ajr	AJ	836,740	6/9/60	GB	C07d	A01a		
ajr	AK	0 024 348	3/4/81	EP	C07D	309/30		
ajr	AL	0 588 137	3/23/94	EP	C07D	309/38		

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

ajr	AM	Biochemical and Biophysical Research Communications, Vol. 201, No. 1, pages 290-294 (30 May 1994).
ajr	AN	J. Med. Chem. 37:2664-2677 (1994).
ajr	AO	Biochemical and Biophysical Research Communications, Vol. 200, No. 3, pages 1658-1664 (16 May 1994).
ajr	AP	J. Am. Chem. Soc. 116:6989-6990 (1994).
ajr	AQ	Antiviral Research 24:275-288 (1994).
ajr	AR	"Collaborative Structure-Based Design of Small Organic Molecules as Inhibitors of HIV Proteases," Keystone Symposia, Santa Fe, NM (5-11 March 1994).
ajr	AS	"Discovery and Properties of Small Organic Molecules Inhibiting HIV-1 Protease," Keystone Symposia, Santa Fe, NM (5-11 March 1994).
ajr	AT	"Structure-based Design of Non-peptide HIV Protease Inhibitors," 35th Annual Buffalo Medicinal Chemistry Symposium, Buffalo, NY (22-25 May 1994).

Examiner <i>Alan L. Rotman</i>	Date Considered JUL 16, 1998
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Serial No. 08/238,817

LIST OF REFERENCES CITED BY APPLICANT
(Use several sheets if necessary)

Applicant K.R. Romines, et al.

Filing Date 6 May 1994

Group 1612

U.S. PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
asr	AA	3,489,774	1/13/70	S. J. Kuhn, et al.	260 ⁵⁴⁹	285 ^{343.2}	4/24/67
asr	AB	3,493,586	2/3/70	S. J. Kuhn, et al.	260 ⁵⁴⁹	297 ^{343.5}	4/24/67
asr	AC	2,872,457 (CA 53:12305e (1959))	2/3/59	C. H. Schroeder, et al.	260 ⁵⁴⁹	343.2 ²⁸⁶	4/19/56
asr	AD	2,723,276 (CA 52:5480g,h (1958))	11/8/55	A. Grussner	260 ⁵⁴⁹	343.2 ²⁸⁶	
asr	AE	3,835,161	9/10/74	J. M. DeMuylder	260 ⁵⁴⁹	343.2 ²⁸⁶	10/24/72
asr	AF	3,764,693	10/9/73	E. Boechetti	434 ⁵⁷⁴	281 ⁴⁵⁷	3/10/71
asr	AG	3,325,515	6/13/67	J. Schmitt, et al.	260 ⁵⁴⁹	343.2 ²⁸²	3/27/64
asr	AH	2,723,277	11/8/55	A. Grussner et al.	260 ⁵⁴⁹	343.2 ²⁸⁶	8/14/53
	AI						

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No
	AI	3227-923 (abstract also)	10/8/91	IO	A61K	31/37	X	
asr	AK	A91/04663	4/18/91	[WO]	A01N	37/02		
asr	AL	91/12804	9/5/91	[WO]				
asr	AM	89/07939	9/8/89	[WO]	A61K	31/37		
asr	AN	92/04326	3/19/92	[WO]	C07D	215/22		
asr	AO	92/04327	3/19/92	[WO]	C07D	215/22		
asr	AP	92/04328	3/19/92	[WO]	C07D	215/56		
asr	AQ	92 06,687	4/30/92	[WO]	A61K	31/365		
asr	AR	91/06561	5/16/91	[WO]	C07K	5/02		
asr	AS	92/17490	10/15/92	[WO]	C07K	5/02		
asr	AT	EP-443449 (AU-71166/91 equivalent also)	8/29/91	German language [EPO]	C07D	305/12		
asr	AU	93/07868 (abstract also)	4/29/93	[WO]	A61K	31/37		

LIST OF REFERENCES CITED BY APPLICANT (Use several sheets if necessary)				Atty. Docket No. 88-192		Serial No. 08/238,817				
				Applicant K.R. Romines, et al.						
				Filing Date 6 May 1994		Group 1612				
	AV	93/07128	4/15/93	WO	E07D	243/04	X			
<i>ALR</i>	AW	8804652 (equivalent AU 8810440 (Japan) & Derwent abstract 88-190605/27 only	12/16/87	Japan	E07D	207/36	X			
<i>ALR</i>	AX	J48023942 (abstract 20478 v/16)	8/4/71	Japan						
<i>ALR</i>	AY	FR. A. 1276654	10/16/61	France	A61K	E07D	X			
<i>ALR</i>	AZ	BE. A. 674997	7/12/66	Belgium			X			
<i>ALR</i>	BA	GB. A. 734142	7/27/55	Great Britain	233	C3A12				
	BB									
	BC									
OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)										
<i>ALR</i>	BD	Biochemical and Biophysical Research Communications, Vol. 188, No. 2, 1992, pages 631-637.								
<i>ALR</i>	BE	Antimicrobial Patent Fast-Alert, Week Ending 4 September 1992.								
<i>ALR</i>	BF	C.A. Selects: Antitumor Agents, Issue 19, 1992, page 25, No. 117: 90147q.								
<i>ALR</i>	BG	Phytochemistry, 31(3):953-956 (1992).								
<i>ALR</i>	BH	Tetrahedron, 48(9):1695-1706 (1992).								
<i>ALR</i>	BI	Tetrahedron Lett., 30(23):3109-12 (1989).								
<i>ALR</i>	BJ	Tennen Yuki Kagobutsu Toronkai Koen Yoshishu, 30:17-24 (1988).								
	BK	Chem. Absts. 53:15072f.								
	BL	Chem. Absts. 53:15072c.								
<i>ALR</i>	BM	Arch. Pharm. (Weinheim, Ger.), 316(12):988-94 (1983).								
<i>ALR</i>	BN	Chem. Ber., 110(3):1047-57 (1977) (CA 87(1):2349r).								
<i>ALR</i>	BO	J. Heterocycl. Chem., 23(2):413-16 (1986).								
<i>ALR</i>	BP	Pestic. Sci., 27(1):45-63 (1989).								
<i>ALR</i>	BQ	Acta. Chem. Scand., 43(2):193-95 (1989).								
<i>ALR</i>	BR	J. Org. Chem., 54(14):3383-9 (1989).								
<i>ALR</i>	BS	J. Org. Chem., 53(6):1218-21 (1988).								
<i>ALR</i>	BT	Tetrahedron Lett., 34(2):277-80 (1993).								

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LIST OF REFERENCES CITED BY APPLICANT (Use several sheets if necessary)		Atty. Docket No. 4155	Serial No. 08/238,817
		Applicant K.R. Romines, et al.	
		Filing Date 6 May 1994	Group 1612
CLR	BU	J. Chem. Soc. Perkins Trans., 1(6):1157-9 (1985).	
CLR	BV	J. Chem. Ecol., 9(6):703-14 (1983).	
CLR	BW	J. Org. Chem., 48(7):1123-5 (1983).	
CLR	BX	Tetrahedron Lett., 21(6):551-4 (1980).	
CLR	BY	Helv. Chem. Acta, 59(7):2393-2401 (1976).	
CLR	BZ	Acta. Chem. Scand., 30(7):613-18 (1976).	
CLR	CA	Tetrahedron Lett., 22:1903-4 (1976).	
CLR	CB	Synth. Commun., 20(18):2827-2836, 1990.	
CLR	CC	J. Indian Chem. Soc., 69:397-398 (July 1992).	
CLR	CD	The Journal of Antibiotics, 46(7):1126 (July 1993).	
	CE	Derwent Abstracts, 93-168920/21 of EP-543201.	
CLR	CF	J. Org. Chem., 48(22):3945-7 (1983).	
CLR	CG	Chem. Pharm. Bull., 29(10):2762-8 (1981).	
CLR	CH	J. Labelled Compd. Radiopharm., 28(10):1143-8 (1990).	
CLR	CI	J. Am. Chem. Soc., 113(25):9585-95 (1991).	
	CJ	CA 54:14239d.	
	CK	CA 53:4272e.	
	CL	Derwent Abstract, 92-166863/20, of EP-553248.	
CLR	CM	Synthesis of Heterocycles. XV. 4-Hydroxy-2-pyronecycloenes. E. Ziegler, H. Junek, and E. Nolken, Monatsh., 89: 678-82 (1958) (CA 53:12283-4) (and English translation).	
CLR	CN	R. Effenberger, T. Ziegler, K.-H. Schonwalder, T. Kesmarszky, B. Bauer, Chem. Ber 119: 3394-3404 (1986) (CA106:18310a).	
CLR	CO	Monatsh. Chem., 119(6-7): 727-37 (1988) (CA 110(13):114430k).	
	CP	CA 54:14239b.	
CLR	CQ	Monatsh. Chem., 113(4): 475-84 (1982).	
CLR	CR	Monatsh. Chem. 90: 594-9 (1959) (CA 54:14238g,h).	
CLR	CS	Bull. Soc. Chim. Fr. 5: 1719-23 (1969) (Fr) (CA 71(21): 101655p) (& English Translation).	
CLR	CT	Monatsh. 92: 246-53 (1961) (Gr) (CA 55:27296d).	
	CU	CA 94(9): 65472r.	
CLR	CV	J. Org. Chem. 28(11): 3112-14 (1963) (CA 59:15185e).	
CLR	CW	Antimicrobial Patent Fast-Alert, Week Ending 30 April 1993.	
	CX	CA 54:577e,g,h (1960).	

LIST OF REFERENCES CITED BY APPLICANT (Use several sheets if necessary)		Atty. Docket No. 400	Serial No. 08/238,817
		Applicant K.R. Romines, et al.	
		Filing Date 6 May 1994	Group 1612

QJR	CY	CA 51:14826f,h (1957).
QJR	CZ	CA 51:14827a,b (1957).
QJR	DA	CA 51:16453a (1957).
QJR	DB	CA 54:5699d (1960).
QJR	DC	CA 54:16450f (1960).
QJR	DD	CA 53:22454a (1959).
QJR	DE	CA 53:20046a (1959)
QJR	DF	Indian J. Chem., Sect. B, 25B: 1167-70 (1986) (CA 107(17):154201f).
	DG	CA 93(23):220546a
	DH	CA 96(19):157432x
	DI	CA 90(1):1707f.
	DJ	CA 84(9):55338f.
	DK	CA 79(13):74969e.
	DL	CA 71(15):69677j.
	DM	CA 54:579e.
	DN	CA 63:14743c.
	DO	CA 63:5589c.
	DP	CA 64:12969b.
QJR	DQ	Chim. Ther. 7(4): 300-6 (1972) (Fr) (CA 78(7):38016h).
	DR	CA 52:5399b.
	DS	CA 54:5699e.
	DT	CA 72(15):78883v.
QJR	DU	Merck Index, Eleventh Edition, (1989), Entry 9950.
QJR	DV	J. Med. Chem., 1978, Vol. 21, No. 2: 231-234.
QJR	DW	J. Am. Chem. Soc. 83: 2676-9 (1961) (CA 55:22306e (1961)).
QJR	DX	Journal of Labelled Compounds and Radiopharmaceuticals Vol. XXIII, No. 2: 137-148 (1986).
QJR	DY	Tr. Voronezh. Tekhnol. Inst. 19(2): 27-30 (1971), Abstract No. 1zh274 (Russian language) (and English translation).
QJR	DZ	Helv. Chim. Acta 74(7): 1451-8 (1991).
QJR	EA	J. Org. Chem. 33(1): 437-8 (1968).
QJR	EB	Eur. J. Med. Chem. - Chim Ther. 12(2): 125-30 (1977).
QJR	EC	J. Med. Chem. 18(5): 513-19 (1975) (CA 83(5):37913q).

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6-19-98

LIST OF REFERENCES CITED BY APPLICANT <i>(Use several sheets if necessary)</i>		Atty. Docket No. 47%	Serial No. 08/238,817
		Applicant K.R. Romines, et al.	
		Filing Date 6 May 1994	Group 1612
ALL	ED	J. Chromatogr. 338(2): 325-34 (1985).	
ALL	EE	J. Chromatogr. 562 (1-2): 31-8 (1991).	
ALL	EF	J. Chromatogr. 529(2): 479-85 (1990).	
ALL	EG	AIDS 1993, Vol. 7, No. 1, pages 129-130.	
ALL	EH	CA Selects: AIDS & Related Immunodeficiencies, Issue 24, 1993, Abstract 119:195147j.	
ALL	EI	"Competitive Inhibition of HIV-1 Protease by 4-Hydroxy-Benzopyran-2-ones and by 4-Hydroxy-6-Phenyl-Pyran-2-Ones," Parke-Davis Pharm. Res., First National Conference on Human Retroviruses and Related Infections, 12-16 December 1993, Washington, D.C.	
ALL	EJ	Acta. Virol. 37:241-250 (1993).	
ALL	EK	"The Application of Computer-Assisted Drug Design in the Discovery of Nonpeptide HIV-1 Protease Inhibitors", Parke-Davis Pharm. Res., Keystone Symposia, 5-11 March 1994, Santa Fe, N.M.	
ALL	EL	Structural Biology, 1(1):199-200 (April 1994).	
ALL	EM	CA: 85:78002b (1976).	
	EN		
Examiner		Alan L. Rotman Date Considered 6-19-98	